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Substrate for form 1449A and B/P/O <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				Complete If Known Application Number 09/719,870 Filing Date June 17, 1997 First Named Inventor Damha et al. Group Art Unit Examiner Name Attorney Docket Number 1770-206"US"	
Sheet	1	of	9	TECH CENTER 1600/2900	

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Examiner Signature	<i>Janet Y. Lee - JLD</i>	Date Considered	9-22-03
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet **2** of **9****Complete if Known**

Application Number	09/719,870
Filing Date	June 17, 1999
First Named Inventor	Damha et al.
Group Art Unit	
Examiner Name	
Attorney Docket Number	1770-206"US" TECH CENTER 1600/2900

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Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		Aoyagi M. et al.; <i>Bioorganic &amp; Medicinal Chemistry Letters</i> ; 1996; 6: 1573-1576	
		Noronha A. et al.; <i>Nucleic Acids Res</i> ; 1998; 26(11): 2665-71	
		Giannaris P.A. et al.; <i>Canadian Journal Of Chemistry</i> ; 1994; 72/3: 909-918	
		Sanghvi Y. & Cook D.; <i>ACS Symposium Series</i> ; 1994; 580: 1-22	
		Altmann K. H. et al.; <i>Antisense Oligonucleotide Technology</i> ; 1998; 73-107	
		Noronha A. & Damha M.; <i>Journal Of Biomolecular Structure &amp; Dynamics</i> ; 1997; 14: 805-806	
		Xodo Le et al.; <i>J. Biomol Struct Dyn</i> ; 1994; 11 (4): 703-20	
		Flanagan M. et al.; <i>Nucleic Acids Research</i> ; 1996; 24: 2935-2941	
		Wilds C.J. et al.; <i>Bioconjug Chem</i> ; 1999; 10(2): 299-305	
		Damha M.J. et al.; <i>Journal Of The American Chemical Society</i> ; 1998; 120/49: 12976-12977	
		Adams, A.D.; Petrie, C.R.; Meyer Jr., R.B. <i>Nucleic Acids Res</i> . 1991, 19, 3647	

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[Signature]		Agrawal, S.; Iyer, R.P. <i>Cur. Op. Biotech.</i> 1995, 6, 12.	
		Agrawal, S.; Mayrand, S.H.; Zamenick, P.; Pederson, T. <i>Proc. Natl. Acad. Sci. USA</i> 1990, 87, 1401	
		Akhtar, S.; Agrawal, S. "In vivo studies with antisense oligonucleotides" <i>TIPS</i> 1997, 18, 12	
		Alberts, B. <i>Molecular Biology of the Cell</i> , pp. 304, Garland, N.Y., 1989	
		Alul, R.; Hoke, G.D. <i>Antisense Res. Dev.</i> 1995, 5, 3	
		Ausubel, F.M. et al., <i>Current Protocols in Molecular Biology</i> , John Wiley & Sons, Inc., 1994	
		Bergman, F.; Bannworth, W.; Tam, S. <i>Tetrahedron Lett.</i> 1995, 36, 6823	
		Bloomfield, V.A.; Crothers, D.; Tinoco, Jr., I. "Physical Chemistry of Nucleic Acids", Harper and Row, N.Y., 1974	
		Boiziau, C.; Kurfurst, R.; Cazanave, C.; Roig, V.; Thuong, N.T. <i>Nucleic Acids Res.</i> 1991, 19, 1113	
		Brach, A.D.; "A good antisense molecule is hard to find", <i>TIBS</i> , 1998, 23, 45	
[Signature]		Chiang et al. <i>J. Biol. Chem.</i> 1991, 266, 18162	

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		First Named Inventor	Damha et al.
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Sheet	4	of	9
		Attorney Docket Number	1770-206"US"

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/		Chu, C.K.; Matulic-Adamic, J.; Huang, J.-T.; Chou, T.-C.; Burchenal, J.H.; Fox, J.J.; Watanabe, K.A. <i>Chem. Pharm. Bull.</i> 1989, 37, 336	
/		Chu, C.K., <i>Nucleosides and Nucleotides as Antitumor and Antiviral Agents</i> , Baker, D.C. (eds.), pp. 265-284, Plenum Press, N.Y., 1993	
/		Chwang, A.K.; Sundaralingam, M. <i>Nature</i> 1973, 243, 78	
/		Cook, P.D. <i>Anti-Cancer Drug Design</i> 1991, 6, 585	
/		Crooke et al. <i>Biochem J.</i> 1995, 312, 599	
/		Crooke, S.T. <i>Annu. Rev. Pharmacol. Toxicol.</i> 1992, 32, 329	
/		Crooke, S.T.; Bennett, C.F. <i>Annu. Rev. Pharmacol. Toxicol.</i> 1996, 36, 107	
/		Crooke, S.T. et al. <i>J. Pharmacol. Exp. Ther.</i> 1996, 277, 923	
/		Damha et al. <i>Nucleic Acids Res.</i> 1990, 18, 3813	
/		Damha, M.J.; Usman, N.; Ogilvie, K.K., <i>Can. J. Chem.</i> 1988, 67, 831	
/		Daniher, A.T. et al. <i>Bioorg. &amp; Med. Chem.</i> 1997, 5, 1037	

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**INFORMATION DISCLOSURE  
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Sheet **5** of **9****Complete if Known**

Application Number	09/719,870
Filing Date	Jun 17, 1999
First Named Inventor	Damha et al.
Group Art Unit	
Examiner Name	
Attorney Docket Number	1770-206"US"

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		De Bouvere, B. et al., <i>Nucleosides &amp; Nucleotides</i> 1997, 16, 973	
		DeMesmaeker, A.; Haner, R.; Martin, P.; Moser, H. <i>Acc. Chem. Res.</i> 1995, 28, 366	
		Eckstein, F. <i>Ann. Rev. Biochem.</i> 1985, 54, 367	
		Federoff, O.Y.; Salazar, M.; Reid, B.R. <i>J. Mol. Biol.</i> 1993, 233, 509	
		Gao et al. <i>Mol. Pharmacol.</i> 1991, 41, 223	
		Gao, Y.-G. et al., <i>Biochemistry</i> 1991, 30, 9922	
		Giannaris, P.A.; Damha, M.J., <i>Nucleic Acids Res.</i> 1993, 20, 4742	
		Giles et al. <i>Nucleic Acids Res.</i> 1995, 23, 954	
		Giles, R.V.; Spiller, D.G.; Tidd, D.M. <i>Antisense Res. &amp; Devel.</i> 1994, 5, 23	
		Gossen, M., H. Bujard 1992, <i>Proc. Natl. Acad. Sci. USA</i> 89, 5547-5551	
		Gottfredsen, C.H.; Spielmann, P.; Wengel, J.; Jacobsen, J.P. <i>Bioconjugate Chem.</i> 1996, 7, 680	

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Sheet **6** of **9****Complete if Known**

Application Number	09/719,870
Filing Date	June 17, 1999
First Named Inventor	Damha et al.
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<i>[Signature]</i>		Gotte <i>et al.</i> , <i>EMBO J.</i> 1995, 14, 838	
		Hausen, P.; Stein, H. <i>Eur. J. Biochem.</i> 1970, 14, 279	
		Herdewijn, P. <i>et al.</i> , in "Carbohydrate Modifications in Antisense Research", Sanghvi, Y.S.; Cook, P.D. (eds), ACS Symposium Series, vol. 580, pp. 80, American Chemical Society, Washington DC, 1994	
		Higson, A.P. <i>et al. Tetrahedron Letters</i> 1998, 39, 3899	
		Howell; H.G.; Brodfuehrer, P.R.; Brundidge, S.P.; Benigni, D.A.; Sapino, C., Jr. <i>J. Org. Chem.</i> 1988, 53, 85	
		Ikedo <i>et al. Nucleic Acids Res.</i> 1998, 26, 2237	
		Kibler-Herzog, L. <i>et al. Nucleic Acids Res.</i> 1990, 18, 3545	
		Kois, P. <i>et al. Nucleosides &amp; Nucleotides</i> 1993, 12, 1093	
		Kois, P.; Watanabe, K.A. <i>Nucleic Acids Symposium Series</i> 1993, 29, 215	
		Kufe, D.W.; Spriggs, D.R. <i>Semin. Oncol.</i> 1985, 12, 34	
<i>[Signature]</i>		Lauer <i>et al. Cancer</i> 1987, 60, 2366	

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Examiner Initials*	Cite No. <sup>1</sup>	T <sup>2</sup>
	Le Doan, T. et al. <i>Nucleic Acids Res.</i> 1987, 15, 7749	
	Lima, W.F.; Crooke, S.T. <i>Biochemistry</i> 1997, 36, 390	
	Marquez, V.E.; Lim, B.B.; Barchi, J.J., Jr.; Nicklaus, M.C., "Conformational studies of anti-HIV activity of mono- and difluorodeoxynucleosides", in <i>Nucleosides and Nucleotides as Antitumor and Antiviral Agents</i> , Chu, C.K.; Baker, D.C. (eds.), pp. 265-284	
	Mikita, T.; Beardsley, G.P. <i>Biochemistry</i> 1988, 27, 4698	
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	Mirabelli, C.K. and Crooke, S.T.; Lebleu, B. <i>Antisense Research and Applications</i> ; 1993, index page, CRC Press, Boca Raton, FL	
	Monia et al. <i>J. Biol. Chem.</i> 1993, 268, 14514	
	Monia, P.B.; Johnston, J.F.; Geiger, T.; Muller, M.; Fabbro, D. <i>Nature Med.</i> 1996, 2, 668	
	Morvan, F.; Rayner, B.; Imbach, J.-L.; Chang, D.K.; Lown, J.W. <i>Nucleic Acids Res.</i> 1987, 15, 7027	
	Moser, H. E., Dervan, P.B. <i>Science</i> 1987, 238, 645	
	Nakamura, H. et al. <i>Proc. Natl. Acad. Sci. USA</i> 1991, 88, 11535	

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JL		Nielsen, P.E. in "Perspectives in Drug Discovery and Design", vol. 4, pp. 76, Trainor, G.L. (ed.), ESCOM, Leiden, 1996
		Oda et al. <i>Nucleic Acids Res.</i> 1993, 21, 4690
		Puglisi, J.D.; Tinoco, I. Jr. <i>Methods in Enzymology</i> , Dahlberg, J.E.; Abelson, J.N. (eds.), 180, pp. 304, Academic Press, S.D., 1989
		Resmini, M.; Pfeleiderer, W. <i>Helv. Chim. Acta</i> 1994, 77, 429
		Resmini, M.; Pfeleiderer, W. <i>Helv. Chim. Acta</i> 1993, 76, 158
		Roberts, R.W.; Crothers, D.M. <i>Science</i> 1992, 258, 1463
		Robins, M.J. et al. in "Nucleosides, Nucleotides and their Biological Applications", Rideaut, J.L.; Henry, D.W.; Beacham III, L.M. (eds.), pp. 279, Academic Press, Inc., 1993
		Saenger, W. <i>Principles of Nucleic Acids Structure</i> , Cantor, C.R. (ed.), Springer-Verlag, N.Y., 1984
		Salazar, M.; Champoux, J.J.; Reid, B.R. <i>Biochemistry</i> 1993, 32, 739
		Salazar, M.; Federoff, O.Y.; Reid, B.R. <i>Biochemistry</i> 1996, 35, 8126
Seeberger, P.H.; Yen, E.; Caruthers, M.H. <i>J. Am. Chem. Soc.</i> 1995, 117, 1472		

Examiner Signature	<i>Paul E. Fild</i>	Date Considered	9-22-03
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		Sanghi, Y. DNA in "Altered Backbones in Antisense Applications", in <i>Comprehensive Natural Product Chemistry</i> , Barton, D.H.R.; Nakanishi, K.; Meth-Cohn, O. (eds), 1998, Elsevier Science, Oxford, UK
		Sergueev, D. et al., Poster 269, XIII International Round Table, Montpellier, France, Sept. 6-10, 1998
		Tann, C.H.; Brodfuehrer, P.R.; Brundidge, S.P.; Sapino, C. Jr.; Howell, H.G. <i>J. Org. Chem.</i> 1985, 50, 3644
		Teng, M. <i>et al. Biochemistry</i> 1989, 28, 4923
		Ts'o, P.O.P. (ed.), "Basic Principles in Nucleic Acid Chemistry", vol. 1 and 2, Academic Press, N.Y., 1974
		Uhlmann, E.; Peyman, A. <i>Chem. Rev.</i> 1990, 90, 543
		Van der Laan, A.C. <i>et al. Trav. Chim Pays-Bas</i> 1995, 114, 295
		Walder, R.T.; Walder, J.A. <i>Proc. Natl. Acad. Sci. USA</i> 1988, 85, 5011
		Wickstrom, E.; Tinoco, I. Jr. <i>Biopolymers</i> 1974, 13, 2367
		Wright, G.E.; Brown, N.C. <i>Pharmacol. Ther.</i> 1990, 47, 447
		Zhao, G. <i>et al., Biochem. Pharmacol.</i> 1996, 51, 173

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